

Introduction to Clean Water Plan

Elected Officials Workshop #1

March 31, 2021



Clean Water Plan

Making the right investments at the right time



King County

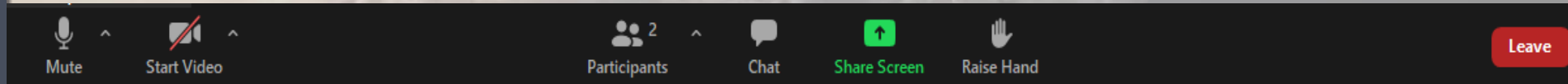
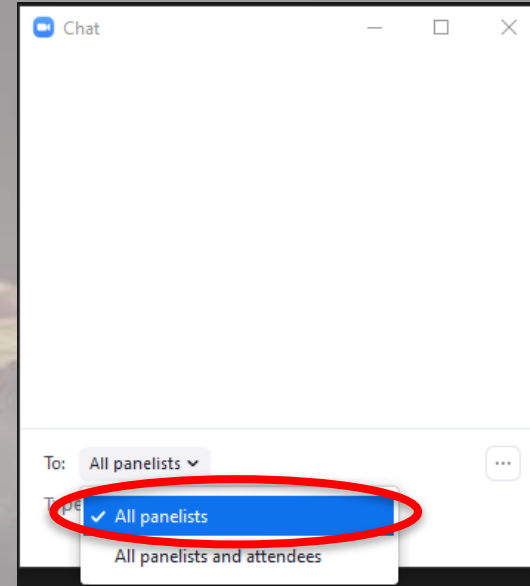
Department of Natural Resources and Parks
Wastewater Treatment Division

Today's Virtual Meeting: Zoom Controls



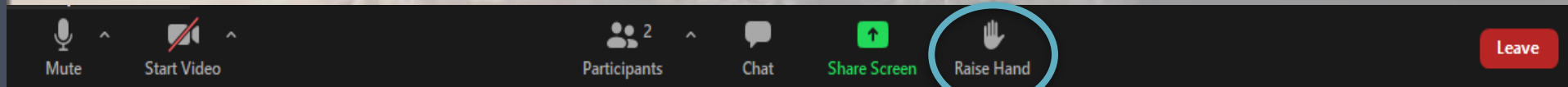
Tips for Elected Officials to Participate

- Share video when you are speaking (turn off when listening).
- Mute when not speaking.
- Use the chat box to ask questions. Be sure to select “All Panelists” to send your question over the chat.
- Members of the public will remain muted. No questions from the public will be taken today.



How to Participate

- If you are unable to use the chat box, click on the “raise hand” button on the Zoom toolbar. We will call on you during the designated Q&A periods (time allowing) and you can then unmute yourself at that time.



Meeting Welcome



Christie True

Director, King County, Department of Natural
Resources and Parks



Mark Isaacson

Director, King County, Wastewater Treatment
Division

Land & Labor Acknowledgement



Purpose of the Workshops



Faces to Voices: Who are You Hearing Today?



Steve Tolzman
Program Manager
and Planning
Project Manager



Tiffany Knapp
Alt Program Manager
and Planning
Project Manager



**Sonia-Lynn
Abenojar**
Regional
Engagement
Project Manager



Rob Greenwood
Facilitator



Darcy Peth
Facilitator

Jurisdictions Represented on Today's Call

- City of Auburn
- City of Bothell
- City of Carnation
- City of Duvall
- City of Issaquah
- City of Kent
- City of Kirkland
- Lakehaven Water and Sewer District
- City of Mercer Island
- Northeast Sammamish Sewer and Water District
- City of Normandy Park
- City of Pacific
- City of Redmond
- Ronald Wastewater District
- Sammamish Plateau Water
- Seattle Public Utilities
- City of Tukwila
- Valley View Sewer District
- Woodinville Water District

Workshop Agenda

- **Welcome and Land and Labor Acknowledgement (Mark Isaacson)**
- **Purpose of the Workshops (Christie True)**
- **Agenda Overview and Plan for the Workshop (Rob Greenwood)**
- **Orientation to the Regional Wastewater System (Sonia-Lynn Abenojar)**
- **Why the Clean Water Plan (Steve Tolzman)**
- **Questions and Answers (Ross Strategic)**
- **Overview of the Planning Process (Tiffany Knapp)**
- **Community Engagement and Input Received (Sonia-Lynn Abenojar)**
- **Questions and Answers (Ross Strategic)**

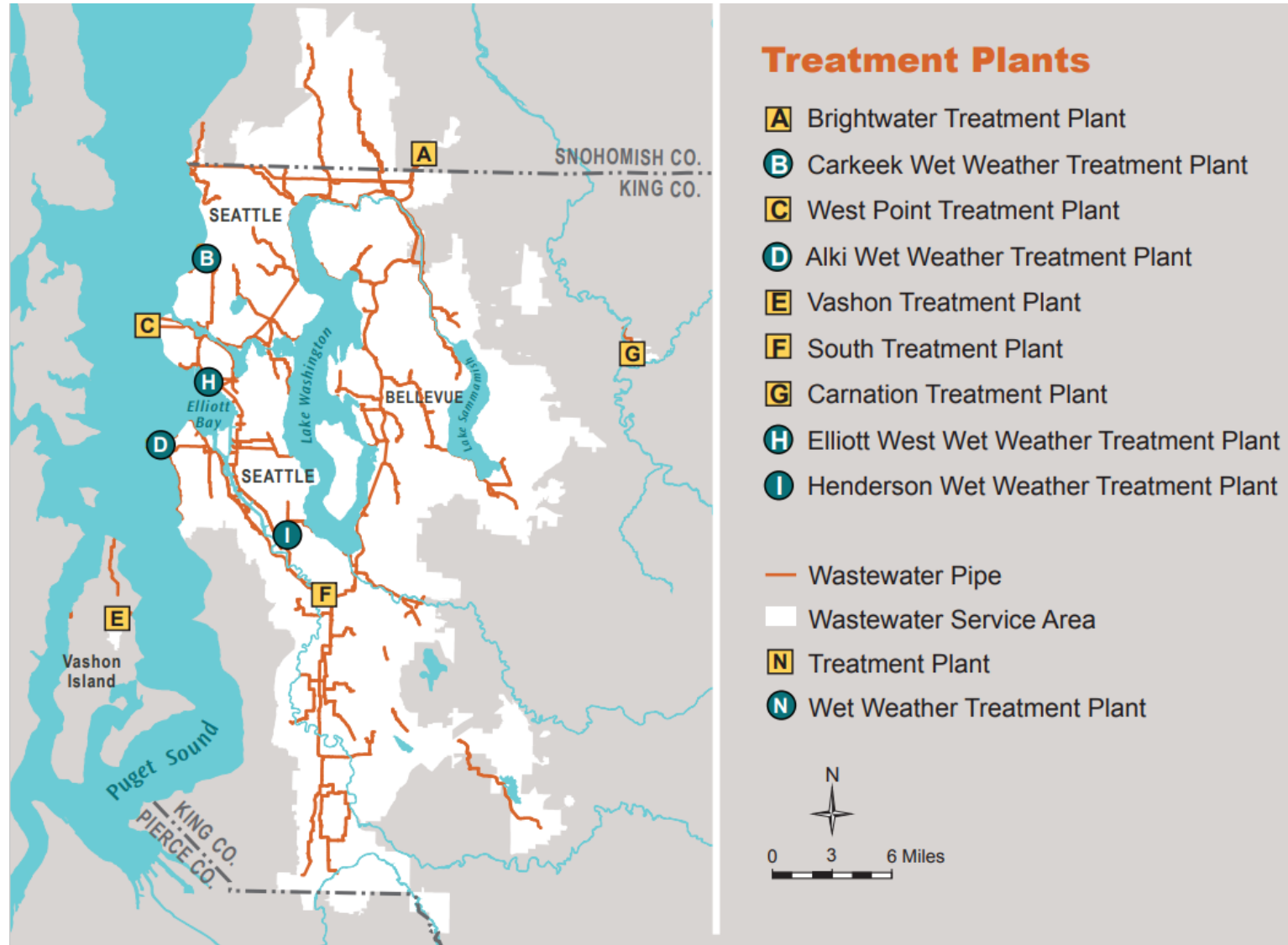
Orientation to the Regional Wastewater System

Sonia-Lynn Abenojar



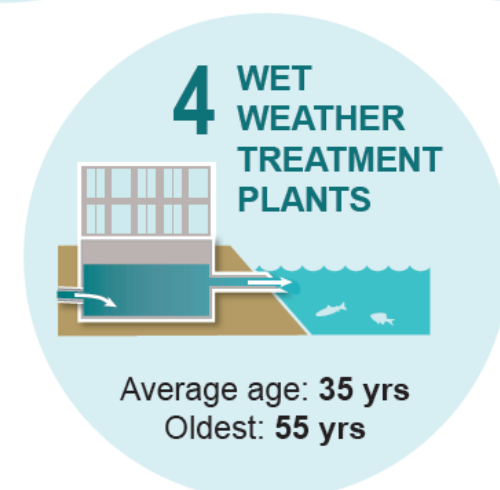
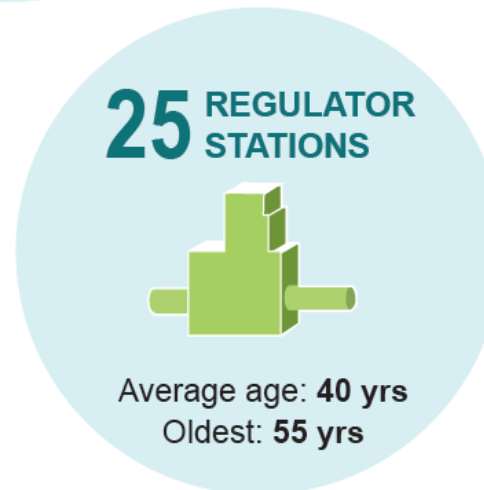
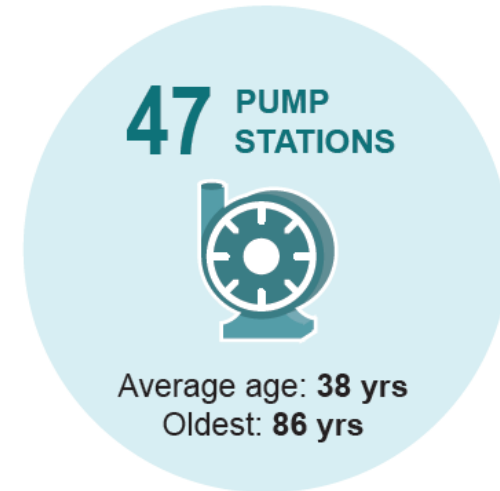
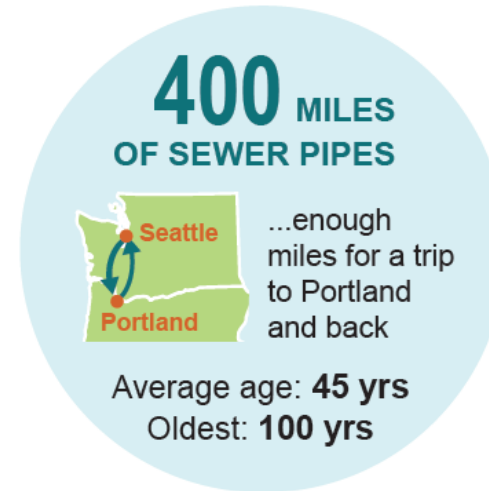
Your Regional Wastewater System Overview

- King County currently serves nearly 2 million people in the region
- Treatment of 180 million gallons of wastewater per day, on average
- Over the next 40 years, that number is projected to grow to 2.5 million people



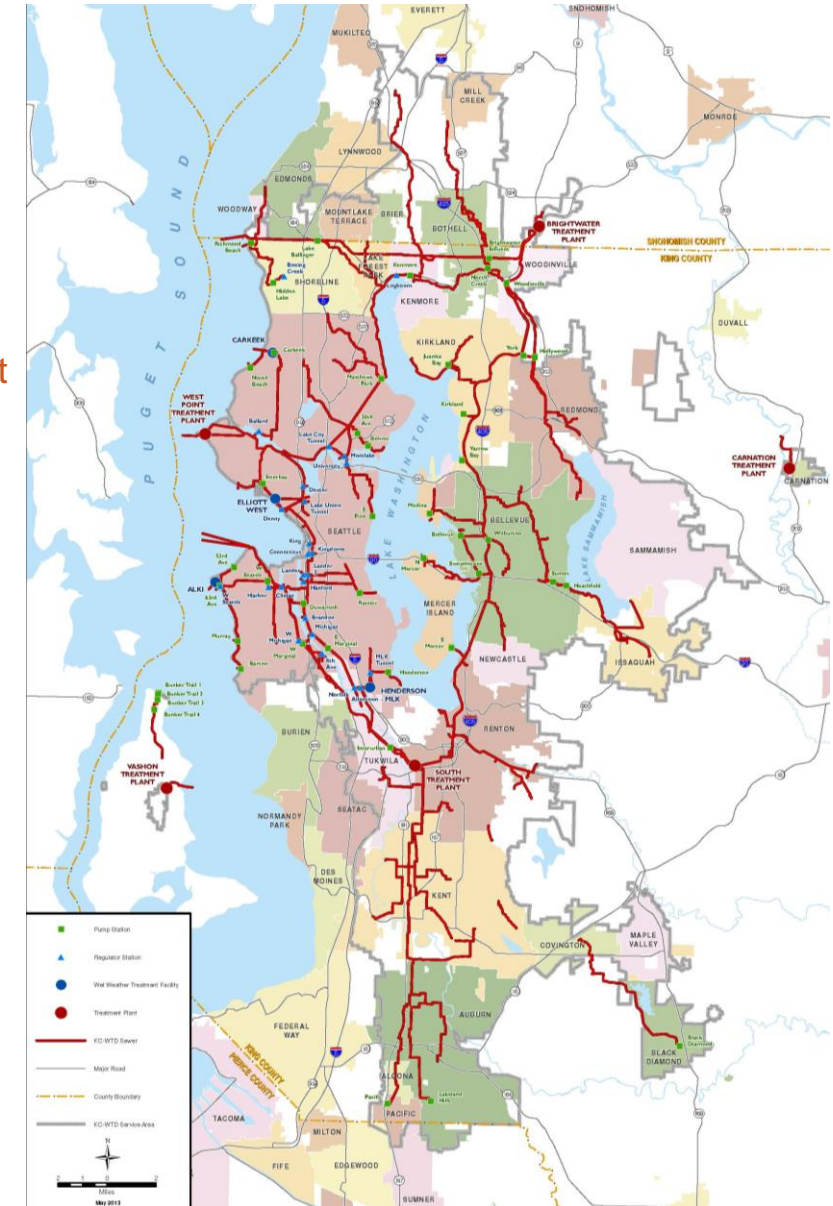
Your Regional Wastewater System Assets

- In 1958 the voters created Metro and developed a regional wastewater treatment system
- Many system assets are over 50 years old
- There are over 700 employees managing and operating the regional system



The regional wastewater system serves 34 local sewer utilities

- King County provides wholesale wastewater treatment services to 17 cities and 17 local sewer utilities in King, Snohomish, and Pierce counties
- Alderwood Water & Wastewater District
 - City of Algonia, Public Works
 - City of Auburn, Utilities
 - City of Bellevue, Utility Services
 - City of Black Diamond, Public Works
 - City of Bothell, Public Works
 - City of Brier, Public Works
 - City of Carnation, Public Works
 - Cedar River Water & Sewer District
 - Coal Creek Utility District
 - Cross Valley Water District
 - Highlands Sewer District
 - City of Issaquah, Public Works
 - City of Kent, Public Works
 - City of Kirkland, Public Works
 - City of Lake Forest Park, Public Works
 - Lakehaven Water & Sewer District
 - City of Mercer Island, Sanitary Sewer Utility
 - Muckleshoot Indian Tribe, Public Works
 - Northeast Sammamish Sewer & Water District
 - Northshore Utility District
 - Olympic View Water and Sewer District
 - City of Pacific, Public Utilities
 - City of Redmond, Public Works
 - City of Renton, Public Works
 - Ronald Wastewater District
 - Sammamish Plateau Water & Sewer District
 - City of Seattle, Public Utilities
 - Skyway Water and Sewer District
 - Soos Creek Water & Sewer District
 - City of Tukwila, Public Works
 - Valley View Sewer District (formerly Val Vue Sewer District)
 - Vashon Sewer District
 - Woodinville Water District



Regional Clean Water Services and Programs

- Many play a role in keeping our region's waters clean
- Protecting water quality supports economic vitality and job growth while maintaining our region's natural assets like beaches, lakes and rivers

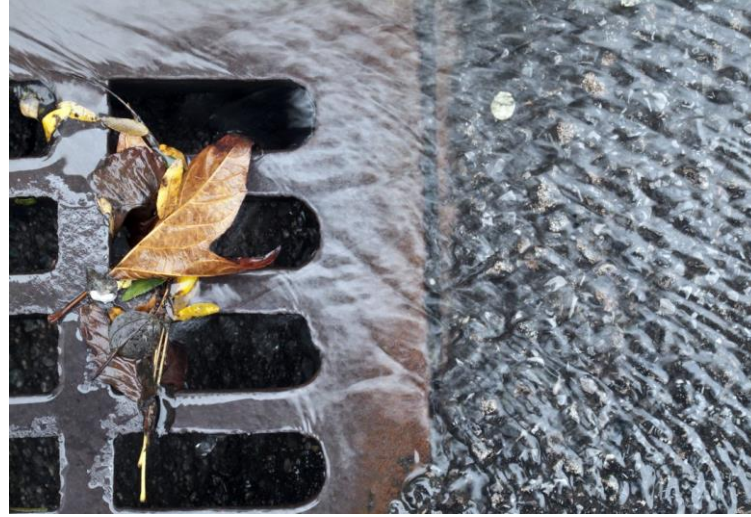


Why the Clean Water Plan

Steve Tolzman



Our region is changing



Why the Clean Water Plan?



**Threats to
regional water quality**



**Capacity needs due to
growing population**



Aging infrastructure



**Current and expected
regulations
(CSO, nitrogen)**



Utility rate affordability



**Resiliency
(climate change,
natural hazards)**

So we need to make a plan

The Clean Water Plan will

- Guide decisions about our wastewater system and how to protect our local waterways and health.
- Identify policies, programs, and projects that reflect community priorities.
- Provide a path for investments in the near future and in the long-term (over the next 40 years).



Questions and Answers

Type into the chat, or use the “raise hand” function

Overview of the Planning Process

Tiffany Knapp



Clean Water Plan Planning Process Overview



Core Planning Question: *What is the most appropriate path to ensure we direct the right public investments to the right actions at the right time for the best water quality outcomes?*



Navigate the Decision Areas

Existing and emerging issues to consider in order to make choices and plan for the future

Wastewater Treatment

What treatment plant and wet weather facility investments should be made?

Wastewater Conveyance

What are the best investments in collections systems to ensure sufficient capacity and improve system condition?

Wet Weather Management

What approach should be taken to address stormwater and combined sewer overflows in King County's system?

Legacy Pollution

What are the opportunities to address legacy pollution?

Asset Management, Resiliency, & Redundancy

What investments should be made to care for an aging regional wastewater system and protect the investments that have been made?

Resource Recovery

How should King County recover resources in wastewater?

Pollutant Source Control & Product Stewardship

Are there more efficient or effective methods to address pollutants of concern than wastewater treatment?

Finance

How will regional water quality investments be financed?



Explore a Range of Actions Within Each Decision Area

Actions are specific programs or set of projects that address one of the Decision Areas

- **Wastewater Treatment**
 - Level of pollutant removal at regional treatment plants
 - Decentralized (small-scale) treatment
- **Wastewater Conveyance**
 - Capacity in pipes and pumps
 - Infiltration/inflow and optimization
- **Wet Weather Management**
 - Combined sewer overflow control
 - Stormwater management
- **Legacy Pollution**
 - Addressing pollutants from historical activities (e.g., sediment management, creosote-treated wood removal, pipe cleaning)
- **Asset Management, Resiliency and Redundancy**
 - Level of investment in aging sewer system and preparation for natural disasters
 - Adaptation to climate change (e.g., sea level rise)
- **Resource Recovery**
 - Recycling resources from wastewater treatment process (e.g., biosolids and energy)
- **Pollution Source Control and Product Stewardship**
 - Control and removal of pollutants at the source prior to treatment

Actions are Building Blocks for Strategies



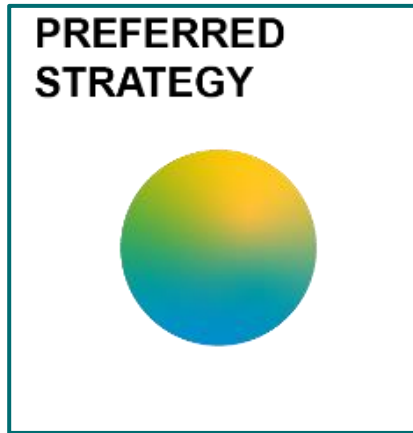
A specific program or set of projects that addresses one of the Decision Areas.

Actions are not standalone solutions but building blocks that will be shaped and combined in different ways to form Strategies.

A group of multiple Actions.

Each strategy reflects a complete water quality investment approach the County could take for water quality and the regional wastewater system.

Assemble a Preferred Strategy



Explore and evaluate Strategies

Explore choices, opportunities, challenges, and outcomes of each Strategy with the region.

Assemble a Preferred Strategy

Use technical analysis and regional input to assemble a single Preferred Strategy.

King County Council Decision on the Clean Water Plan



King County Executive proposes Clean Water Plan containing Preferred Strategy to King County Council for consideration and action

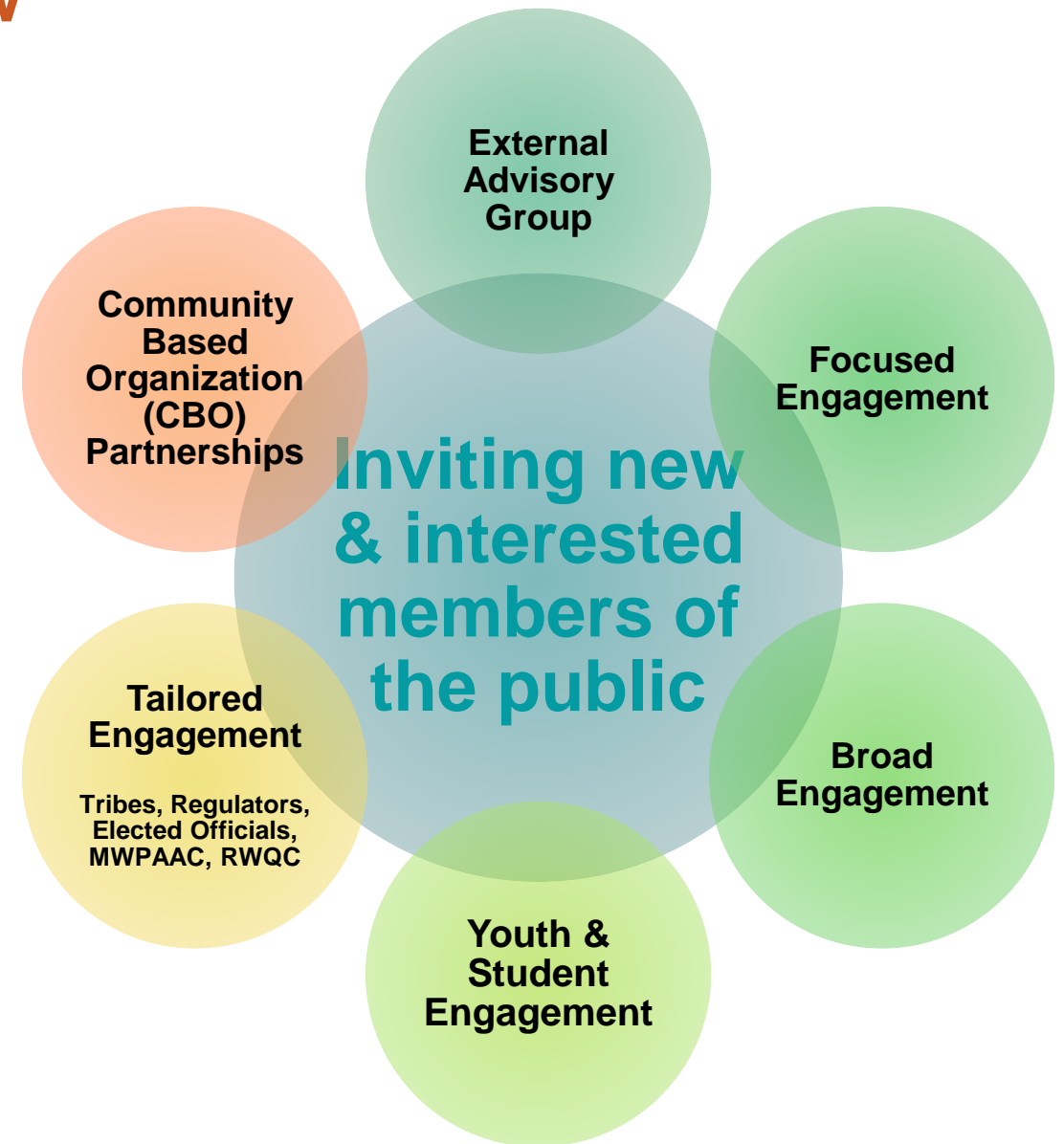
Community Engagement and Input Received

Sonia-Lynn Abenojar



Community Engagement Overview

- Create a Plan that reflects regional priorities
- Engage long-term participants and new voices
- Engage and amplify the voices of historically underrepresented populations and those who are disproportionately impacted by water quality issues
- Provide opportunities to hear and consider the voices, concerns, ideas and creativity of the public
- Build confidence in the public process, understanding and appreciation for key project decision



Clean Water Plan Engagement: On-going Efforts

■ Community Questionnaire

- Collect feedback on how community wishes to engage with us in 2021
- Learn how we can improve our engagement practices

■ Community Conversations

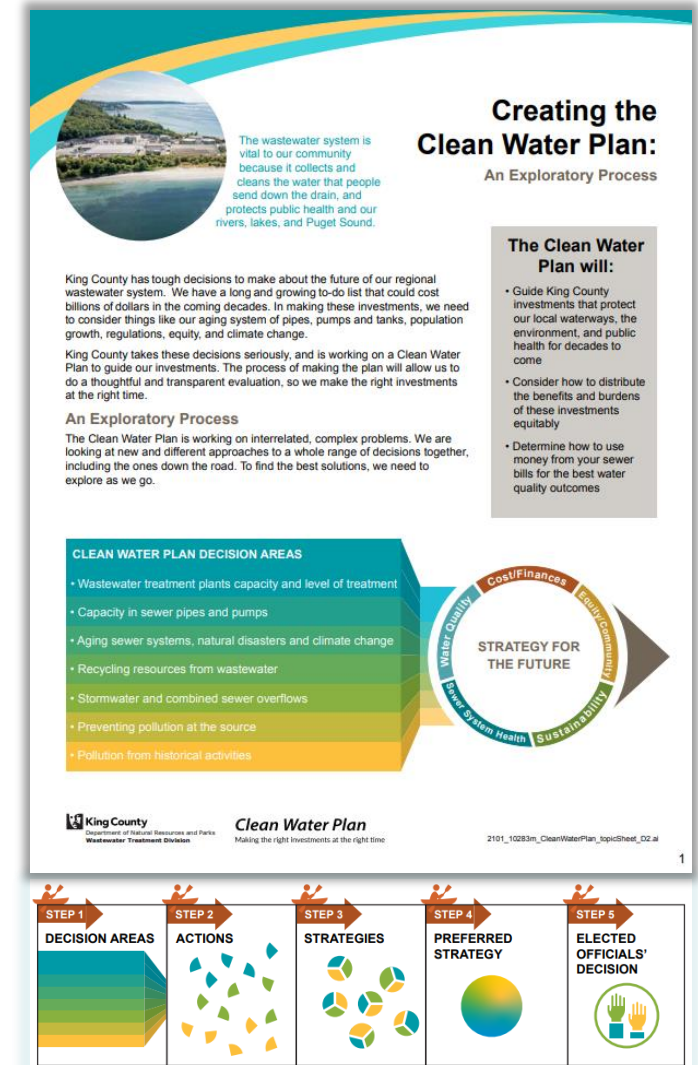
- Interviews with key community groups and youth & student organizations
- Understand the level of interest in the Clean Water Plan among a varied group of individuals and organizations

■ Topic Sheets

- Plain language and graphic-heavy document to increase understanding of a specific topic area related to the Clean Water Plan
 - Process
 - Actions

■ Updates to Clean Water Plan Website

<https://kingcounty.gov/cleanwaterplan>



Clean Water Plan Engagement: Where We Are Headed in 2021

■ Tailored Engagement

Reoccurring briefings and workshop sessions (monthly/quarterly)

- Elected Officials
- Tribal Governments
- Metropolitan Water Pollution Abatement Advisory Committee (MWPAAC)
- Regional Water Quality Committee (RWQC)
- Mobility and the Environment Committee (M&E)

■ Advisory Group

- Ongoing quarterly meetings through 2021

■ Community Based Partnerships

- Outreach workplan development

■ Actions Technical Workshops (April-May)

- A series of opportunities to virtually engage with project team on Clean Water Plan Actions

■ Planning for Outreach & Engagement Around Strategies and Environmental Impact Statement



Clean Water Plan Engagement: Community Based Organizations

- **Purpose:** King County is partnering with CBOs as trusted advocates in the community to engage historically underrepresented populations in the Clean Water Plan

- **Partners**

- Casa Latina
- InterIm CDA
- Living Well Kent
- Na'ah Illahee Fund
- Urban League
- Young Women Empowered
- Duwamish Valley Youth Corps
- ECOSS (subconsultant)



- **Compensation provided to partners**

What We've Heard: Community Priorities

People shared these priorities for the Clean Water Plan

Since the 2018 decision to begin a clean water planning process, King County has been asking for and incorporating public input on community priorities and equity considerations.



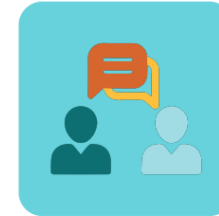
**Avoid sewer
system failures**



**Prepare and
fight climate
change**



Equity



**Increase
collaboration**



**Prioritize best
water quality
outcomes**



**Maintain effective
wastewater
workforce**



**Keep rates
affordable**



**Healthy habitats
for fish and
wildlife**



**Protect and
restore rivers,
lakes, and
Puget Sound**



**Protect public
health**

What We've Heard: Key Takeaways

■ Tribal Treaty Rights

- Commercial, subsistence, and ceremonial fishing

■ Environmental Health

- Regional wastewater treatment plants
- Capacity in regional sewer pipes and pumps
- Aging sewer system, natural disasters, climate change
- Recycling resources from water

■ Fish and Wildlife

- Impacts on aquatic life
- Protect and support habitat
- Mitigation and restoration exploration

■ Water Quality

- Regulatory compliance
- Stormwater and combined sewer overflows
- Green infrastructure
- Historical pollutions, pollution reductions issues, preventing pollution and chemical bans

■ Socioeconomics, Environmental Justice

- Equity and social justice considerations
- Community impacts and gentrification
- Affordability of rates for low-income households



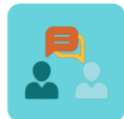
Avoid sewer
system failures



Prepare and
fight climate
change



Equity



Increase
collaboration



Prioritize best
water quality
outcomes



Maintain effective
wastewater
workforce



Keep rates
affordable



Healthy habitats
for fish and
wildlife



Protect and
restore rivers,
lakes, and
Puget Sound



Protect public
health

Clean Water Plan Engagement: Keeping the Public Involved

- Join our list for email or text updates
- Participate in the Community Questionnaire
- Join an upcoming workshop
- Participate in the SEPA comment period later this year
- Read more online: www.kingcounty.gov.CleanWaterPlan
 - Clean Water Plan Library
 - 2019 & 2020 Regional Engagement Summaries
 - Fact Sheets & Topic Sheets

King County is undertaking this large planning effort because it is facing critical decisions that will affect the region's water quality.

[Click to join the conversation](#)

The screenshot shows the 'Clean Water Plan Library' page on the King County Wastewater Treatment Division website. The page features a navigation menu on the left with options like 'Capital projects', 'System planning', 'Clean Water Plan', 'Plan de Agua Limpia', 'Library', and 'Library - translations'. The main content area includes a breadcrumb trail, a title 'Library Clean Water Plan', a multi-language selector, a large illustration of a river and city, a software help link, a translation notice, and a 'Public engagement' section with a list of documents and expandable icons.

Natural Resources and Parks
Wastewater Treatment Division

Capital projects
System planning
Clean Water Plan
Plan de Agua Limpia
Library
Library - translations

Home » Natural Resources and Parks » Wastewater Treatment Division » Capital projects » System planning » Clean Water Plan » Library

Library

Clean Water Plan

አማርኛ العربية 中文 正體字 日本語 Khmer 한국어 русский Somali Español Українська Tiếng Việt Afaan Oromoo 𑌀𑌃𑌆𑌉𑌆𑌆

[Visit Software Help](#) if you have trouble viewing or downloading documents.

Several documents and resources on this page have been translated in several languages.

Public engagement

Clean Water Plan - 2020 Outreach Summary	+
Clean Water Plan Questionnaire, November, 2020	+
Scoping Online Open House, Spring 2020	+
Wastewater Treatment Webinar: Realities & Reinvestment, March 25, 2020	+
Clean Water Plan - 2019 Outreach Summary	+

Questions and Answers

Type into the chat, or use the “raise hand” function

Looking Ahead

- **Dates survey coming soon via email to schedule next two workshop dates.**
- **Future workshop topics:**
 - **Overview of Clean Water Plan Actions**
 - **Wastewater Financing & Affordability Analysis Methodology**
 - **Overview of Emergent Strategies – Choices and Opportunities**
 - **Overview of Strategies and Draft Environmental Impact Statement**

Adjourn

Olivia Robinson, Government Relations, 206.477.3566 or
olivia.robinson@kingcounty.gov

Sharman Herrin, Government Relations, 206.477.5376 or
sharman.herrin@kingcounty.gov



Clean Water Plan

Making the right investments at the right time



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

